

AMPHIPOD NEWSLETTER 31

Tromsø, February 2007, Wim Vader

This will be again a 'normal' newsletter, after the special issues AN 28 and AN 30. The main 'meat' is also this time the annotated bibliography and the alphabetic and taxonomic lists of new taxa. Although I have done my utmost to get the bibliography as complete as possible, this is getting more and more difficult; the fact that many of the important journals now only can be accessed from Tromsø 'on line' (and some, as unfortunately i.a. Zootaxa and the Records of the Australian Museum, for the moment not at all), makes browsing of the literature much more difficult than before.

AN 30 contained a list of all described taxa between 1974 and 2004. I have extended this to also include 2005 and 2006, and this list is now also available on the Amphipod Homepage, <http://uit.no/tmu/133/42>. Again, I shall be very much grateful for corrections and additions to this list.

Dr Philippe Laval (laval@obs-vlfr.fr), now officially retired from CNRS in Villefranche, tells me that he has built up an almost complete list of references concerning the Hyperiid, his lifelong object of study. This is now available to all colleagues at <http://www.obs-vlfr.fr/~laval>. This very complete list must be of great help to everybody who studies hyperiids.

Dr Cédric d'Udekem d'Acoz has finished his studies in Tromsø, and has returned to Brussels, where he has a post-doc grant. Cédric had very kindly written a review of the new Mediterranean hyperiid book; see sub Zelickman in the bibliography. I am most grateful to Cédric for all his help, also with the newsletter. Anne Helene S. Tandberg assisted with the datatechnical finesses.

Wim Vader, wim.vader@tmu.uit.no

BIBLIOGRAPHY

As always, I have had much help with this bibliography from Franz Krapp (Bonn) and Egor Vinogradov (Moscow). Dr Hiroyuki Ariyama (Osaka) kindly gave me the details on Dr Ren's new book, which I had not yet been able to consult myself. As always, I shall be very grateful for all reprints and pdf's on amphipods, and also as always, I'll try to help out colleagues with queries concerning literature. I have not yet seen Dr Vassilenko's new caprellid monograph, so that will come in AN 32..

Wim Vader, Tromsø Museum
9037 Tromsø, Norway
wim.vader@tmu.uit.no

Alphabetic list of amphipod papers

- AHMADI, M. R., Sh. ASAFI, B. BJERKENG, A. GERAMI, S. O. RANAI SIADAT & R. KHODARAHMI 2005. Caspian Sea Gammarus (*Pontogammarus maeoticus*) as a carotenoid source for muscle pigmentation of Rainbow Trout (*Oncorhynchus mykiss*). ---- *Iranian Journal of Fisheries Sciences* 5, 1-12.
- AMWEG, E. L., D. P. WESTON, C. S. JOHNSON, J. YOU & M. J. LYDY 2006. Effect of piperonyl butoxide on permethrin toxicity in the amphipod *Hyalella azteca*. ---- *Environmental Toxicity and Chemistry* 25, 1817-1825.
- AMWEG, E. L., D. P. WESTON, J. YOU & M. J. LYDY 2006. Pyrethroid insecticides and sediment toxicity in urban creeks from California and Tennessee. ---- *Environmental Science and Technology* 40, 1700-1706. (Tests on *Hyalella azteca*)
- ANDERSON, M. A. 2005. Food habits of some deep-sea fish off South Africa's west coast and Agulhas Bank. 1. The grenadiers (Teleostei: Macrouridae). ---- *African Journal of Marine Science* 27, 409-425.
- ANDERSON, M. A. 2005. Food habits of some deep-sea fish off South Africa's west coast. 2. Eels and spiny eels (Anguilliformes and Notacanthiformes). ---- *African Journal of Marine Science* 27, 557-566.
- ANDRES, H. G. 2004. *Ingolfiella sandroruffoi* sp. nov. (Crustacea: Amphipoda: Ingolfiellidae) from the Great Meteor Seamount (North-eastern Atlantic Ocean). ---- *Mitteilungen aus dem Hamburgischen Zoologischen Museum und Institut* 101, 225-236. (Not seen)
- ANDRES, H. G. 2005. *Ingolfiella georgei* sp. nov. (Crustacea: Amphipoda: Ingolfiellidae) recorded from the Atlantic Seine Seamount north-east of Madeira Islands. ---- *Mitteilungen aus dem Hamburgischen Zoologischen Museum und Institut* 102, 71-84.
- APPADOO, C. & A. A. MYERS 2006. Melitids (Crustacea: Amphipoda) of the genera *Ceradocus* and *Mallacoota* from Rodrigues Island (Indian Ocean). ---- *Zootaxa* 1370, 1-22. (Deals with *Ceradocus shoalsi* n. sp., *C. cotonensis* n. sp., *C. oliveri* n. sp., and *Mallacoota magnimerus* n.sp. . A key to the Mascarene *Ceradocus* is provided)
- ARAKELOVA, E. S. 2006. Energy metabolism and growth of *Monoporeia affinis* Lindstr. in the northern Lake Krivoe (Karelia). ---- *Russian Journal of Ecology* 37, 167-171.
- ARBACIAUSKAS, K. 2005. The distribution and local dispersal of Ponto-Caspian Peracarida in Lithuanian fresh waters with notes on *Pontogammarus robustoides* population establishment, abundance and impact. ---- *Oceanological and Hydrobiological Studies* 34, Suppl. 1, 93-111.
- ARIYAMA, H. 2006. Record of *Aora pseudotypica* Hirayama, 1984, collected from Osaka Bay, with a key to all the species of the family Aoridae in Japan (Crustacea: Amphipoda: Aoridae). ---- *Bulletin of the Osaka Museum of Natural History* 60, 1-12.

- ARNDT, C. E., J. BERGE & A. BRANDT 2005. Mouthpart-atlas of arctic sympagic amphipods—trophic separation based on mouthpart morphology and feeding ecology. ---- *Journal of Crustacean Biology* 25, 401-412.
- ARNDT, C. E. & F. BEUCHEL 2006. Life history and population dynamics of the Arctic sympagic amphipods *Onisimus nansenii* Sars and *O. glacialis* Sars (Gammaridea: Lysianassidae). ---- *Polar Biology* 29, 239-248.
- ARNTZ, W. E., S. THATJE, K. LINSE, C. AVILA, M. BALLESTEROS, D. K. A. BARNES, T. COPE, F. J. CRISTOBO, C. DE BROYER, J. GUTT, E. ISLA, P. LOPEZ-GONZALEZ, A. MOTIEL, T. MUNILLA, A. A. RAMOS ESPLA, M. RAUPACH, M. RAUSCHERT, E. RODRIGUEZ & N. TEIXIDO 2006. Missing links in the Southern Ocean: sampling the marine benthic fauna of remote Bouvet Island. ---- *Polar Biology* 29, 83-96. (Amphipods listed on pp 90-91)
- ASHTON, G., K. BOOS, R. SHUCKSMITH & E. COOK 2006. Rapid assessment of the distribution of marine non-native species in marinas in Scotland. ---- *Aquatic Invasions 1*, 209-213. (i.a. *Caprella mutica*)
- ASHTON, G., K. BOOS, R. SHUCKSMITH & E. COOK 2006. Risk assessment of hull fouling as a vector for marine non-natives in Scotland. ---- *Aquatic Invasions 1*, 214-218.
- BAILEY, R. J. E., J. T. A. DICK, R. W. ELWOOD & C. MacNEIL 2006. Predatory interactions between the invasive amphipod *Gammarus tigrinus* and the native opossum shrimp *Mysis relicta*. ---- *Journal of the American Benthological Society* 25, 393-405.
- BAKIR, K. & T. KATAGAN 2005. Crustacean diversity of the coralligenous beds of Markiz Island (Aegean coast of Turkey). ---- *Crustaceana* 78, 873-883. (51 spp of amphipods listed on pp 876-877.)
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- BELLAN-SANTINI, D. 2005. Stenothoidae (Crustacea: Amphipoda) of hydrothermal vents and surroundings on the Mid-Atlantic Ridge, Azores Triple Junction zone. ---- *Journal of Natural History* 39, 3435-3452. (Deals with *Torometopa saldanhae* n.sp. (37°51'N, 31°31'W), *Stenothoe divae* n.sp. (38°19'N, 30°40'W), *S. marvela* n.sp. (36°32'N, 33°27'W, 2364m) and *S. menezgweni* n.sp. (37°50'N, 32°31'W), all from the Mid-Atlantic Ridge area.)
- BELLAN-SANTINI, D. 2006. *Rhachotropis* species (Crustacea: Amphipoda: Eusiridae) of hydrothermal vents and surroundings on the Mid-Atlantic ridge, Azores Triple Junction zone. ---- *Journal*

of *Natural History* 40, 1407-1424. (Deals with *Rh. flamina* n.sp., *Rh. licornia* n.sp. and *Rh. pilosa* n.sp., all from 1500-2500m depth. A key to Atlantic *Rhachotropis* is provided.)

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- BERGE, J. & W. VADER 2005. On the taxonomic status of the Antarctic amphipod crustacean genera *Eclysis* (Astyridae) and *Bathypanoptea* (Stilipedidae), with partial redescription of their type species and description of *Bathypanoptea polarsterni* n.sp... ---- *Organisms, Diversity & Evolution* 6, *Electronic Supplement* 3, 1-15. (*Alexandrella pulchra* is a junior synonym of *Bathypanoptea schellenbergi*. *B. polarsterni* n.sp. was collected at 60°55'S, 55° 24'W)
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(Malacostraca) from the abyssal plain of the Angola basin. ---- *Organisms, Diversity & Evolution* 5, 105-112.

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- BROWNE, W. E., B. G. M. SCHMID, E. A. WIMMER & M. Q. MARTINDALE 2006. Expression of old orthologs in the amphipod crustacean *Parhyale hawaiiensis*. ---- *Development Genes and Evolution* 216, 581-595.
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- CALL, D. J., C. N. POLKINGHORNE, T. P. MARKEE, L. T. BROOKE, D. L. GEIGER, J. W. GORSUCH & K. A. ROBILLARD 2006. Toxicity of silver in water and sediment to the freshwater amphipod *Hyaella azteca*. ---- *Environmental Toxicity and Chemistry* 25, 1802-1808.
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- COLEMAN, C. O. & J. K. LOWRY 2006. Revision of the Ochlesidae sensu stricto, including five new Australian species (Crustacea: Amphipoda). ---- *Organisms, Diversity & Evolution, Electronic Supplement* 4, 1-57. (Deals with *Curidia debrogania*, *C. knoxi*, *C. magellanica*, *C. ramonae*, *Meraldia birgeri* n.sp. (Two Peoples Bay, W.Austr.), *M. madeleineae* n.sp. (Two Peoples Bay, W.Austr.), *M. yorki* n.sp. (Flinders island, S.Austr.), *Ochlesis alii*, *O. carinatus*, *O. caroleoninae* n.sp. (Rapid Bay, S.Austr.), *O. innocens*, *O. lenticulosus*, *O. levetzowi*, *O. morgani* n.sp. (Nowra, NSW), *O. sp.* (Bass Strait), and *Ochlesodius spinicornis* (transferred from Iphimediidae).)
- COLEMAN, C.O. & J. K. LOWRY 2006. Australian Iphimediidae (Crustacea: Amphipoda). ---- *Organisms, Diversity & Evolution* 6, *Electronic Supplement* 9, 1-44. (Deals with *Iphimedia ambigua*, *I. beesleyae* n.sp. (Sydney, NSW), *I. discreta*, *I. edgari*, *I. filmersankeyi* n.sp. (D'Entrecasteaux Channel, Tasm.), *I. kateae* n.sp. (Torbay bay, W.Austr.), *I. lisae* n. sp. (Quarantine bay, NSW), *I. neuweileri* n.sp. (Torbay bay, W.Austr.), *I. oetkeri* n.sp. (Twofold Bay, NSW), and *I. warraina*. A key is provided.)
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- CROWE, S. E. 2006. A redescription of *Leucothoe spinicarpa* (Abildgaard, 1789) based on material from the North Atlantic (Amphipoda: Leucothoidae). ---- *Zootaxa* 1170, 57-68.

- CRUZ RIVERA, E. & V. J. PAUL 2006. Feeding by coral reef mesograzers: algae or cyanobacteria? ---- *Coral Reefs* 25, 617-627. ('The amphipods *Parhyale hawaiiensis* and *Cymadusa imbroglia* consumed macroalgae and cyanobacteria in equivalent amounts'.)
- CRUZ RIVERA, E. & V. J. PAUL 2007. Chemical deterrence of a cyanobacterial metabolite against generalized and specialized grazers. ---- *Journal of Chemical Ecology* 33, 213-217. (Studies on i.a. *Parhyale hawaiiensis* and *Cymadusa imbroglia*)
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- DIAZ, Y. J. . J. M. GUERRA-GARCIA & A. MARTIN 2005. Caprellids (Crustacea: Amphipoda: Caprellidae) from shallow water of the Caribbean coast of Venezuela. ---- *Organisms, Diversity & Evolution* 5, 249-251 (Deals with 12 spp, further described and illustrated in Electronic Supplement 5-10)
- DOIG, L. E. & K. LIBER 2006. Nickel partitioning in formulated and natural freshwater sediments. ---- *Chemosphere* 62, 968-979. (Tests on *Hyaella azteca*)
- DROLET, D. & M. A. BARBEAU 2006. Immersion in neutral red solution as a mass-marking technique to study the movement of the amphipod *Corophium volutator*. ---- *Journal of Crustacean Biology* 26, 540-541. (This is a method I have used with success back in 1979 to mark *Orchomenella recondita* (WV).)
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Protohyale pusilla (transferred from *Hyale*), *P. solitaire* n.sp., *Erichthonius forbesii* n.sp., *E. rodneyi* n.sp., *Liljeborgia polonius* n.sp., *Elasmopus arrawarra* n.sp., *Hoho cornishi* n.sp., *Gammaropsis legoliath* n.sp., *Tepidopleustes coffsiana* n.sp. (near Coffs Harbour), *Telosynopia trifidilla* n.sp.. *Regalia juliana* is transferred to *Tepidopleustes*. All new species, unless otherwise mentioned, stem from the Solitary Islands, NSW.)

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- LÖRZ, A.-N., E. W. MAAS, K. LINZE & G. D. FENWICK 2007. *Epimeria schiaparelli* sp. nov., an amphipod crustacean (family Epimeriidae) from the Ross Sea, Antarctica, with molecular characterisation of the species complex. ---- *Zootaxa* 1402, 23-37. (*E. schiaparelli* n. sp. from 71° 37'S. 170° 55'E.. The species is close to *E. reoproi*, *E. macrodonta* and *E. similis*.)

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- MÜRLE, U, A. BECKER & P. REY 2004. *Dikerogammarus villosus* (Amphipoda) new in Lake Constance. ---- *Lauterbornia* 49, 77-80.
- MYERS, A. A. 2005. Aoridae (Amphipoda: Corophioidea) from the Austral Isles. ---- *Records of the Australian Museum* 57, 355-360. (Deals with *Aoroides vitiosus*, *Bemlos callistemon* n.sp. (Tubuai, AI), *B. dentischium taparum*, *B. tui*, *Globosolembos excavatus* and *G. rimatara* n.sp. (Rimatara, AI).)
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- NALEPA, T. F., D. C. ROCKWELL & D. W. SCHLOESSER 2006. Disappearance of the amphipod *Diporeia* spp in the Great Lakes: workshop summary, discussions, and recommendations. ---- *NOAA Technical Memorandum GLERL* 136, 1-20.
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- NORMANT, M. & I. LAMPRECHT 2006. Does scope for growth change as a result of salinity stress in the amphipod *Gammarus oceanicus*? ---- *Journal of Experimental Marine Biology and Ecology 334*, 158-163.
- NORWOOD, W. P., U. BORGMANN & D. G. DIXON 2006. Saturation models of arsenic, cobalt, chromium and manganese bioaccumulation by *Hyaella azteca*. ---- *Environmental Pollution 143*, 519-528.
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- OPINION 2136 (Case 3311). 2006. *Bathyporeia elegans* Watkin, 1938 (Crustacea, Amphipoda): specific name conserved. ---- *Bulletin of Zoological Nomenclature 63*, 59-60.
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- ORTIZ, M. & A. JIMENO 2003. Contribution to the knowledge of the amphipods (Gammaridea) of Ibiza, Balearic islands). ---- *Graellsia 59*, 97-99. (In Spanish. A list of 33 species.)
- ORTIZ, M. & A. JIMENO 2006. (A new species of amphipod in the genus *Leptocheirus* (Crustacea, Peracarida, Amphipoda) of the Isla de Alboran, in the Mediterranean Sea.) ---- *Revista de l'Academia Canariense de Ciencias 17*, 31-41. (In Spanish. *L. alboranensis* n.sp.)
- ORTIZ, M. & R. LALANA 2006. (New data on peracarid crustaceans of the Caribbean coasts of Cuba.) ---- *Cocuyo 16*, 16-18.
- ORTIZ, M., R. LALANA & C. VARELA 2002. (New records of marine amphipods, isopods and mysids (Crustacea, Peracarida) from Cuba.) ---- *Revista de Investigaciones Marinas 23*, 155-156. (In Spanish. Adds *Amphilocheus neapolitanus*, *Colomastix halichondriae*, *C. heardi* and *C. tridentata* to the Cuban amphipod list)
- ORTIZ, M., R. LALANA & C. VARELA 2006. (A new species of the genus *Elasmopus* (Gammaridea, Melitidae) from Cuban waters). ---- *Avicennia 17*, 35-40 (*E. elieri* n.sp.)
- ORTIZ, M., R. LALANA, C. VARELA & S. LEAL 2003. (Marine planktonic Crustacea (Malacostraca) from Cuba.) ---- *Revista de Investigaciones Marinas 24*, 77-79. (In Spanish. Lists 21 amphipods)

- ORTIZ, M., R. LALANA, C. VARELA, A. RODOLFO & R. CABRERA 2006. (New records of marine amphipods and isopods from Cuba (Crustacea, Peracarida).) ---- *Cocuyo* 16, 19-20. (In Spanish. Adds *Maera miranda* and *Hemiproto wigleyi* to the Cuban fauna list.)
- ORTIZ, M., A. LOPEZREGUI, R. LALANA & C. VARELA 2006. (New records of planktonic amphipods (Crustacea, Amphipoda, Hyperiidea) from the south coast of the Isla de Juventud, SE Cuba.) ---- *Cocuyo* 16, 15. (In Spanish; a list of 8 Hyperiidea)
- ORTIZ, M., R. RIERA, J. NUÑEZ & M. PASCUAL 2003. (First records of two species of benthic gammarids (Crustacea: Amphipoda) from the Canary islands.) ---- *Revista de l'Academia Canariense de Ciencias* 14 (2002), 241-245. (In Spanish. Adds *Leptocheirus pectinatus* and *Stenothoe dollfusi* to the Canary Islands amphipod list)
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- PAGE, H. M., J. E. DUGAN, C. S. CULVER & J. C. HOESTEREY 2006. Exotic invertebrates on offshore oil platforms. ---- *Marine Ecology Progress Series* 325, 101-107. (Off California, i.a. *Caprella mutica*.)
- PAGÈS, F., P. FLOOD & M. YOUNGBLUTH 2006. Gelatinous zooplankton net-collected in the Gulf of Maine and adjacent submarine canyons: new species, new family (Jeanbouilloniidae), taxonomic remarks and some parasites. ---- *Scientia Marina* 70, 363-379. (*Hyperia galba* in *Beroe*.)
- PALMER, A. S., I. SNAPE, J. S. STARK, G. J. JOHNSTONE & A. T. TOWNSEND 2006. Baseline metal concentrations in *Paramoera walkeri* from East Antarctica. ---- *Marine Pollution Bulletin* 52, 1441-1449.
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- PAUL, N. A., R. DE NIJS & P. D. STEINBERG 2006. Seaweed-herbivore interactions at a small scale: direct tests of feeding deterrence by filamentous algae. ---- *Marine Ecology Progress Series* 323, 1-9 (*Hyale nigra*)
- PEART, R. A. 2006. A revision of *Pseudopleonexes* Conlan, 1982 (Crustacea. Amphipoda. Ampithoidae), with description of three new species from Australia. ---- *Zootaxa* 1344, 1-22. (Not seen. Deals with *P. lessoniae*, *P. sheardi*, and three new species *P. burneyi* n. sp., *P. justi* n. sp., and *P. nexis* n. sp.)
- PEART, R. & J. K. LOWRY 2006. The amphipod genus *Arcitalitrus* (Crustacea: Amphipoda: Talitridae) of New South Wales forests, with descriptions of six new species. ---- *Records of the Australian Museum* 58, 97-118. (A review of all species.; deals with *A. bassianus*, *A. belbucca* n. sp. (W. of Sydney, NSW), *A. bundeena* n. sp. (Royal NP, NSW), *A. dorrieni*, *A.*

moonpar n. sp. (Mangrove Mtn, NSW), *A. nana* n. sp. (Lowanna, NSW). *A. orara* n. sp. (Orara SF, NSW), *A. sylvaticus* (A neotype is established and described), and *A. thora* n. sp. (Scotchman SF, NSW)

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- PLATVOET, D., Z. HOU, S. LI & G. v.d. VELDE 2006. Enigmatic pores in females of *Dikerogammarus villosus* (Sowinsky, 1894) (Amphipoda). Amphipod pilot species project (AMPIS). Report 1. ---- *Crustaceana* 78, 1399-1404.
- PLATVOET, D., Y. SONG, S. LI & G. v. d. VELDE 2006. A lock-on system in precopulae of *Dikerogammarus villosus* (Sowinsky, 1894), also present in *Gammarus pulex* (Linnaeus, 1758) (Amphipoda). Amphipod pilot species project (AMPIS) report 2. ---- *Crustaceana* 79, 993-1003. (Fascinating stuff!)
- PLATVOET, D., Z.-E. HOU, S.-Q. LI & G.v.d.VELDE 2006. Presumed statocysts in the cephalon of *Dikerogammarus villosus* (Sowinsky, 1894) (Peracarida, Amphipoda). Amphipod pilot species project (AMPIS) report 3. ---- *Crustaceana* 79, 1123-1127. (New discoveries every time in this project!)
- PÖCKL, M. 2007. Strategies of a successful new invader in European fresh waters: fecundity and reproductive potential of the Ponto-Caspian amphipod *Dikerogammarus villosus* in the Austrian Danube, compared with the indigenous *Gammarus fossarum* and *G. roeseli*. ---- *Freshwater Biology* 52, 50-63
- PONTON, F., T. LEFEVRE, C. LEBARBENCHON, F. THOMAS, H. D. LOXDALE, L. MARCHE, L. RENAULT, M. J. PERROT-MINOT & D. G. BIRON 2006. Do distantly related parasites rely on the same proximate factors to alter the behaviour of their hosts? ---- *Proceedings of the Royal Society of London, Ser. B, Biological Sciences* 273, 2869-2877. (Not seen, unfortunately. A study on *Gammarus insensibilis*)
- POORE, A. G. B. 2005. Scales of dispersal in a herbivorous marine amphipod. ---- *Australian Ecologist* 30, 219-228. (Not seen)
- POORE, A. G. B. & N. A. HILL 2006. Sources of variation in herbivore preference: among-individual and past diet effects on amphipod host choice. ---- *Marine Biology, Berlin* 149, 1403-1410. (Studies on *Peramphithoe parmerong*)
- PRATO, E. & F. BIANCOLINO 2006. Life history of the amphipod *Corophium insidiosum* (Crustacea: Amphipoda) from Mar Piccolo (Ionian Sea, Italy). ---- *Scientia Marina* 70, 355-362.
- PREMKE, K. 2006. Aggregations of Arctic deep-sea scavenging amphipods at large food falls. ---- *Berichte zur Polar- und Meeresforschung* 531, 1-135 (An important contribution)
- PREMKE, K., M. KLAGES & W. E. ARNTZ 2006. Aggregations of Arctic deep-sea scavengers at large food falls: temporal distribution, consumption rates and population structure. ---- *Marine Ecology Progress Series* 325, 121-135.

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E. turgimanus, *Biancolina algalicola*, *Afrochiltonia capensis*, *Cheirocarpochela sinica* Ren & Andres n. gen., n. sp. (Cheirocratidae), *Hornellia incerta*, *Metaceradocus hainanensis* Ren & Andres n.sp., *Aloiloi nenu*, *Aora pseudotypica*, *Aoroides columbiae*, *A. longimerus*, *Bemlos aequimanus*, *B. hainanensis* n.sp., *B. longisetis* n.sp., *B. quadrimanus*, *B. regius*, *Cheiriphotis mediterranea*, *Ch. megacheles*, *Corophium acherusicum*, *C. acutum*, *C. baconi*, *C. crassicorne*, *C. denticulatum*, *C. heteroceratum*, *C. homoceratum*, *C. hongkongensis*, *C. insidiosum*, *C. kitamorii*, *C. lamellate*, *C. major*, *C. monospinum*, *C. mortonii*, *C. sextonae*, *C. miospinulosum*, *C. serricaudatum*, *C. sinensis*, *C. tridentium*, *C. triangulopedarum*, *C. uenoi*, *Concholestes nanshaensis* n. sp., *Dodophotis digitata*, *Gammaropsis* (*Podoceropsis*) *laevipalmata*, *G. (P.) liuruiyui*, *G. (P.) nitida*, *Gammaropsis (G.) atlantica*, *G. (G.) digitata*, *(G.) hainanensis* n.sp., *G. (G.) japonicus*, *G. (G.) longiseta* n.sp., *G. (G.) pali*, *G. (G.) sexdentata*, *G. (G.) trispinosus* n. sp. , *G. (G.) togoensis*, *G. (G.) utinomii*, *Globosolembos excavatus*, *G. francanni*, *G. leapakahi*, *G. longispinosus* n. sp. , *G. ovatus*, *Grandidierella gilesi*, *G. japonica*, *G. macronyx*, *G. megnae*, *G. minima* (transferred from *Paragrandidierella*, considered a junior synonym), *G. unidentata* n.sp., *Kamaka biwae*, *K. littoralis* n. sp., *Ledoyerella spinosa* n.sp., *Lembos tridens*, *L. virgus*, *Paraphotis sinensis*, *Photis angustimanus* n.sp., *Ph. hawaiiensis*, *Ph. kapapa*, *Ph. longicaudata*, *Ph. longisetis*, *Ph. reinhardi* (here spelled *renihardi*), *Ph. sinensis* n.sp., *Ph. zhujiangensis* n.sp., *Megamphopus hainanensis* n.sp., *Xenocheira longisetosa* n.sp., *Colomastix longicaudata* n.sp., *C. minispinosa* n.sp., *Yulumara dentata* n.sp., *Cyproidea robusta* n.sp., *Atylus donghaiensis* n.sp., *A. minikoi*, *Guernea (G.) sinica* n.sp. , *G. (G.) sombati*, *G. (Prinassus) longidactyla*, *G. (P.) mackiei*, *Paradexamine latifolia* n.sp., *P. mozambica*, *P. pacifica*, *P. rewa*, *P. setigera*, *Haustorioides magnus*, and *Parhaustorioides littoralis* n. gen., n. sp.(Dogielinotidae). For most species Prof. Ren is the sole author; in a few cases, always mentioned, Dr Andres is coauthor. In a few genera, such as *Byblis*, *Corophium* and *Gammaropsis*, some adjectival endings are grammatically incorrect; but I have left them unchanged. The book is in Chinese, but all keys, as well as the descriptions of the new species, are in an extensive English summary, on pp 470-558. The illustrations are in the Chinese text, however.)

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- WIJNGAARDEN, R. P. A. van 2006. Interpretation and extrapolation of ecological responses in model ecosystems stressed with non-persistent insecticides. ---- *Alterra Scientific Contributions* 16, 1-248. (Studies on *Gammarus pulex* are discussed here. Not seen)
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- WOLFF, W. J. 2005. Non-indigenous marine and estuarine species in the Netherlands. ---- *Zoologische Mededelingen, Leiden* 79, 1-116. (An important survey! The following amphipods are dealt

with on pp 63-68: *Caprella mutica*, *Chelicorophium curvispinum*, *Gammarus tigrinus*, *Incisocalliope aestuarius*, *Melita nitida*, *Monocorophium sextonae*, *Orchestia cavimana*, and *Platorchestia platensis*.)

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- YU, O.H., H.-G. LEE, J.-H. LEE & D.-S. KIM 2006. Impacts of sand mining on the macrobenthic community in Gyeonggi Bay, Korea. ---- *Ocean and Polar Research* 28, 129-144. (*Urothoe grimaldii japonica*)
- YU, O. H. & H.-L. SUH 2006. Life history and reproduction of the amphipod *Synchelidium trioostegitum* (Crustacea, Oediceotidae) on a sandy shore in Korea. ---- *Marine Biology, Berlin* 150, 141-148.
- ZEIDLER, W. 2006. A review of the hyperiidean amphipod superfamily Archaeoscinoidea Vinogradov, Volkov & Semenova, 1982 (Crustacea: Amphipoda: Hyperiidea). ---- *Zootaxa* 1125, 1-37. (Another one of Wolfgang's most valuable revisions of hyperiid families. This one deals with *Archaeoscina steenstrupi*, *A. stebbingi* (spec. dub.), *A. danae* n.sp. (Gulf of Panama), *Paralanceola anomala*, *P. wolffi* n.sp. (near Kermadec Islands) and *P. oleseni* n.sp. (S. Atlantic, near gulf of Guinea). All species seem to occur more or less world-wide, in deep water, and all are rare.)
- Zelickman E.A., 2005. Amphipoda : Hyperiidea of Israel. A morphological atlas. Fauna Palaestina. Crustacea I. The Israel Academy of Sciences and Humanities : 1-xviii + 1-440. ISBN 965-208-013-6 and 965-208-164-7

Review by Dr. Cédric d'Udekem d'Acoz

The present book which is the first volume on crustaceans of the series Fauna Palaestina illustrates 66 hyperiid species occurring in the Mediterranean and Red seas (66 of the 105 species occurring in these seas). It consists of a short introduction, a list of the 105 species occurring in the area, and an atlas of plates covering 66 species. There are one colour photographic plate in frontispiece, 204 plates of line drawings and 8 plates of SEM pictures (ultrastructures of mouthparts of *Phronima* spp.). The figures, which illustrate most appendages for every treated species, are good albeit not so beautiful (fast inked). The book includes no keys, no descriptions, no indications on ecology and bathymetry. Concerning the distribution of species it is only indicated if they occur in the Mediterranean and/or the Red sea. Despite the almost complete absence of text, the book is extremely valuable by its profuse iconography. In other words it is a more than welcome contribution to the systematics of hyperiid amphipods. It is a must-have for any person seriously interested in North Atlantic, Mediterranean and Red Sea amphipods, or working on hyperiids worldwide. Indeed the book covers 66 of the 320 known hyperiid species (i.e. 21%). It was my regret that the monograph of Mediterranean amphipod edited by Ruffo (1982-1998) did not include the hyperiids. Now this gap is partly

filled out by Zelickman's book. Keys, diagnoses, ecological, bathymetrical and distributional data, and a few figures of all hyperiids described before 1982 can be found in the book of Vinogradov et al. (1982/1996). So, in most cases, the combined use of the books by Vinogradov et al. (1982/1996) and Zelickman (2005) should enable an accurate identification of hyperiid amphipods from the Mediterranean and Red seas. Finally since many hyperiids have a very wide distribution, this book will be an important help for identifying material from seas distant from the area treated. The book should be ordered by Israeli residents at www.academy.ac.il and by residents of other countries at www.backhuys.com.

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ZINTSEN, V., C. MASSIN, A. NORRO & J. MALLEFET 2006. Epifaunal inventory of two shipwrecks from the Belgian Continental Shelf. ---- *Hydrobiologia* 555, 207-219. (*Jassa herdmani* very abundant)

NEW TAXA IN AN 31.

I. New families and subfamilies

Cleonardopsinae (Amathillopsidae) Lowry, 2006

Miramarassidae Lowry, 2006

Parepimeriinae (Amathillopsidae) Lowry, 2006

Regaliidae Lowry, 2006

Sanchoidae Lowry, 2006

Thaumatelsonidae rev. Krapp-Schickel, 2006

II. New genera and subgenera

Austromaera Lowry & Springthorpe, 2005
Cheiricarpochela Ren, 2006
Eurypodogammarus Hou, Morino & Li, 2005
Jigurru Guerra-Garcia, 2006
Mayericaprella Guerra-Garcia, 2006
Miramaera Lowry & Springthorpe, 2005
Omangidiella Iannilli, Holsinger, Ruffo & Vonk, 2006
Parhaustorioides Ren, 2006
Pseudoprellicana Guerra-Garcia, 2006
Ringanui Fenwick, 2006
Sandrothoe Krapp-Schickel, 2006
Stockigidiella Iannilli, Holsinger, Ruffo & Vonk, 2006
Verticotelson Krapp-Schickel, 2006

Melitidae
 Cheirocratidae
 Anisogammaridae
 Phtisicinae
 Phtisicinae
 Melitidae
 Bogidiellidae
 Dogielinotidae
 Phtisicinae
 Paraleptamphopidae
 Stenothoidae
 Bogidiellidae
 Thaumatelsonidae

III New species and subspecies

abstrusus Hou, Platvoet & Li, 2006 (*Gammarus*)
acutifalcatus Kobayashi & Ishimaru, 2005 (*Moolapheonoides*)
acutifortata Ren, 2006 (*Ampelisca*)
aequimana Iannilli, Holsinger, Ruffo & Vonk, 2006 (*Stockigidiella*)

Gammaridae
 Cyproideidae
 Ampeliscidae

alannah Taylor, 2006 (*Leongathus*)
alatopedunculata Ren, 2006 (*Ampelisca*)
alboranensis Ortiz & Jimeno, 2006 (*Leptocheirus*)
angustifrons Ren, 2006 (*Byblis*)
angustimanus Ren, 2006 (*Photis*)
arimotoi Guerra-Garcia, 2006 (*Mayericaprella*)
articulosa rev. (Krapp-Schickel & Menioui, 2005) (*Leucothoe*)
arrawarra Hughes & Lowry, 2006 (*Elasmopus*)
ashleyae Thomas & Klebba, 2006 (*Leucothoe*)
balutchi Khalaji-Pirbalouty & Sari, 2006 (*Gammarus*)
bandasetus Ren, 2006 (*Byblis*)
beatricis Jaume & Box, 2006 (*Nuuanu*)
beesleyae Coleman & Lowry, 2006 (*Iphimedia*)
belbucca Peart & Lowry, 2006 (*Arcitalitrus*)
berentsae Guerra-Garcia, 2006 (*Hircella*)
birgeri Coleman & Lowry, 2006 (*Meraldia*)
borgi d'Udekem d'Acoz & Vader, 2005 (*Bathyporeia*)
breviarticulate Ren, 2006 (*Byblis*)
brunonis Krapp-Schickel & Menioui, 2005 (*Leucothoe*)
bundeena Peart & Lowry, 2006 (*Arcitalitrus*)
bundegi Lowry & Berents, 2005 (*Cerapus*)
burneyi Peart, 2006 (*Pseudopleonexes*)
callistemon Myers, 2005 (*Bemlos*)
caribensis Guerra-Garcia, Krapp-Schickel & Müller, 2006 (*Deutella*)

Bogidiellidae
 Phoxocephalidae
 Ampeliscidae

Ampeliscidae
 Photidae
 Phtisicinae
 Leucothoidae
 Melitidae
 Leucothoidae
 Gammaridae
 Ampeliscidae
 Melitidae
 Iphimediidae
 Talitridae
 Phtisicinae
 Ochlesidae
 Pontoporeiidae
 Ampeliscidae
 Leucothoidae
 Talitridae
 Ischyroceridae
 Ampithoidae
 Aoridae

caroleoninae Coleman & Lowry, 2006 (*Ochlesis*)
castroi Gonzalez, Bond-Bucup & Araujo, 2006 (*Hyaella*)
ceratophoculata Ren, 2006 (*Ampelisca*)
chandaniae Lowry & Springthorpe, 2005 (*Mallacoota*)

Caprellinae
 Ochlesidae
 Hyaellidae
 Ampeliscidae
 Melitidae

chibcha Guerra-Garcia, Krapp-Schickel & Müller, 2006 (<i>Tritella</i>)	Caprellinae
circe Lowry & Springthorpe, 2005 (<i>Ceradocus</i>)	Melitidae
clypeatus Krapp-Schickel & Myers, 2006 (<i>Bemlos</i>)	Aoridae
coffsiana Hughes & Lowry, 2006 (<i>Tepidopleustes</i>)	Pleustidae
colombiensis Guerra-Garcia, Krapp-Schickel & Müller, 2006 (<i>Pseudaeginella</i>)	Caprellinae
comosus Hou, Li & Gao, 2006 (<i>Gammarus</i>)	Gammaridae
cornishi Hughes & Lowry, 2006 (<i>Hoho</i>)	Melitidae
cotonensis Appadoo & Myers, 2006 (<i>Ceradocus</i>)	Melitidae
crawfordi Coleman & Gonzalez, 2006 (<i>Hyaella</i>)	Hyaellidae
cuneatum Krapp-Schickel, 2006 (<i>Antatelson</i>)	Thaumatesonidae
danae Zeidler, 2006 (<i>Archaeoscina</i>)	Archaeoscinidae
debilis Hou & Li, 2005 (<i>Jesogammarus</i>)	Anisogammaridae
delicata Krapp-Schickel & Sorbe, 2006 (<i>Apherusa</i>)	Calliopiidae
dentata Ren, 2006 (<i>Yulumara</i>)	Colomastigidae
dentatus Ren, 2006 (<i>Anamixis</i>)	Anamixidae
denticulata rev. (Krapp-Schickel & Menioui, 2005) (<i>Leucothoe</i>)	Leucothoidae
distans Krapp-Schickel, 2006 (<i>Sandrothoe</i>)	Stenothoidae
divae Bellan-Santini, 2005 (<i>Stenothoe</i>)	Stenothoidae
donghaiensis Ren, 2006 (<i>Atylus</i>)	Dexaminidae
echion Karaman & Gottstein Matocec, 2006 (<i>Niphargus</i>)	Niphargidae
elier Ortiz, Lalana & Varela, 2006 (<i>Elasmopus</i>)	Melitidae
euroka Lowry & Springthorpe, 2005 (<i>Mallacoota</i>)	Melitidae
falklandica Vader & Krapp, 2005 (<i>Paramoera</i>)	Eusiridae
filmersankeyi Coleman & Lowry, 2006 (<i>Iphimedia</i>)	Iphimediidae
flamina Bellan-Santini, 2006 (<i>Rhachotropis</i>)	Eusiridae
forbesii Hughes & Lowry, 2006 (<i>Ericthonius</i>)	Ischyroceridae
franzi Krapp-Schickel & Ruffo, 2006 (<i>Quadrimaera</i>)	Melitidae
gauthieri Coleman & Gonzalez, 2006 (<i>Hyaella</i>)	Hyaellidae
georgei Andres, 2005 (<i>Ingolfiella</i>)	Ingolfiellidae
hainanensis Ren, 2006 (<i>Ampelisca</i>)	Ampeliscidae
hainanensis Ren, 2006 (<i>Bemlos</i>)	Aoridae
hainanensis Ren, 2006 (<i>Gammaropsis</i>)	Photidae
hainanensis Ren, 2006 (<i>Megamphopus</i>)	Photidae
hainanensis Ren, 2006 (<i>Metaceradocus</i>)	cheirocratids
hansgeorgi Krapp-Schickel, 2006 (<i>Stenothoe</i>)	Stenothoidae
helobius Hou, Morino & Li, 2005 (<i>Eurypodogammarus</i>)	Anisogammaridae
huanghaiensis Ren, 2006 (<i>Byblis</i>)	Ampeliscidae
inae Krapp-Schickel & Guerra-Garcia, 2005 (<i>Pseudaeginella</i>)	Caprellinae
inermis Shimomura, Ohtsuka & Tomikawa, 2006 (<i>Ingolfiella</i>)	Ingolfiellidae
islandicus Svavarsson & Kristjánsson, 2006 (<i>Crangonyx</i>)	Crangonyctidae
itotomikoe Tomikawa, Morino, Toft & Mawatari, 2006 (<i>Eogammarus</i>)	Anisogammaridae
johnsoni Guerra-Garcia, 2006 (<i>Pseudoprellicana</i>)	Phtisicinae
justi Peart, 2006 (<i>Pseudopleonexes</i>)	Ampithoidae
kameruka Lowry & Springthorpe, 2005 (<i>Mallacoota</i>)	Melitidae
karibu Vader & Krapp, 2005 (<i>Aora</i>)	Aoridae
kateae Coleman & Lowry, 2006 (<i>Iphimedia</i>)	Iphimediidae
keablei Guerra-Garcia, 2006 (<i>Perotripus</i>)	Phtisicinae
kensleyi Thomas & Klebba, 2006 (<i>Leucothoe</i>)	Leucothoidae

kjetilanna Vader & Krapp, 2005 (<i>Jassa</i>)	Ischyroceridae
koonuiroa Fenwick, 2006 (<i>Ringanui</i>)	Paraleptamphopidae
korkishkorum Sidorov, 2006 (<i>Pseudocrangonyx</i>)	Pseudocrangonyctidae
kudrjaschovi Budnikova, 2005 (<i>Psammonyx</i>)	Tryphosinae
laterocostatus Ren, 2006 (<i>Byblis</i>)	Ampeliscidae
latifolia Ren, 2006 (<i>Paradexamine</i>)	Dexaminidae
legoliath Hughes & Lowry, 2006 (<i>Gammaropsis</i>)	Photidae
licornia Bellan-Santini, 2006 (<i>Rhachotropis</i>)	Eusiridae
limus Ren, 2006 (<i>Byblis</i>)	Ampeliscidae
lisae Coleman & Lowry, 2006 (<i>Iphimedia</i>)	Iphimediidae
littoralis Ren, 2006 (<i>Kamaka</i>)	Kamakidae
littoralis Ren, 2006 (<i>Parhaustorioides</i>)	Dogielinotidae
longicaudata Ren, 2006 (<i>Colomastix</i>)	Colomastigidae
longimana Othman & Morino, 2006 (<i>Listriella</i>)	Liljeborgiidae
longiseta Ren, 2006 (<i>Gammaropsis</i>)	Photidae
longisetis Ren, 2006 (<i>Bemlos</i>)	Aoridae
longisetis Ren, 2000 (<i>Photis</i>)	Photidae
longisetosa Ren, 2006 (<i>Xenocheira</i>)	Aoridae
longispinosus Ren, 2006 (<i>Globosolembos</i>)	Aoridae
lowryi Guerra-Garcia, 2006 (<i>Quadrisegmentum</i>)	Phtisicinae
lowryi Kilgallen, Myers & McGrath, 2006 (<i>Tryphosella</i>)	Tryphosinae
macropalpus Just, 2004 (<i>Bubocorophium</i>)	Ischyroceridae
macrospinoso Valerio-Berardo & Piera 2006 (<i>Pseudharpinia</i>)	Phoxocephalidae
madeleinae Coleman & Lowry, 2006 (<i>Meraldia</i>)	Ochlesidae
magnimerus Appadoo & Myers, 2006 (<i>Mallacoota</i>)	Melitidae
mantis Krapp-Schickel, 2006 (<i>Verticotelson</i>)	Thaumatelsonidae
marina Lowry & Springthorpe, 2005 (<i>Victoriopisa</i>)	Melitidae
marvela Bellan-Santini, 2005 (<i>Stenothoe</i>)	Stenothoidae
menezgweni Bellan-Santini, 2005 (<i>Stenothoe</i>)	Stenothoidae
minispinosa Ren, 2006 (<i>Colomastix</i>)	Colomastigidae
minuitus Ren, 2006 (<i>Byblis</i>)	Ampeliscidae
mississippiana Soliman & Wicksten, 2007 (<i>Ampelisca</i>)	Ampeliscidae
moonpar Peart & Lowry, 2006 (<i>Arcitalitrus</i>)	Talitridae
morgani Coleman & Lowry, 2006 (<i>Ochlesis</i>)	Ochlesidae
morua Lowry & Springthorpe, 2005 (<i>Mallacoota</i>)	Melitidae
murrayae Lowry & Berents, 2005 (<i>Cerapus</i>)	Ischyroceridae
nana Peart & Lowry, 2006 (<i>Arcitalitrus</i>)	Talitridae
nanhaiensis Ren, 2006 (<i>Ampelisca</i>)	Ampeliscidae
nanshaensis Ren, 2006 (<i>Concholestes</i>)	Ischyroceridae
nexis Peart, 2006 (<i>Pseudopleonexes</i>)	Ampithoidae
neuweileri Coleman & Lowry, 2006 (<i>Iphimedia</i>)	Iphimediidae
oetkeri Coleman & Lowry, 2006 (<i>Iphimedia</i>)	Iphimediidae
oleseni Zeidler, 2006 (<i>Paralanceola</i>)	Archaeoscinidae
oliveri Appadoo & Myers, 2006 (<i>Ceradocus</i>)	Melitidae
ophiocola Lowry & Springthorpe, 2005 (<i>Melita</i>)	Melitidae
orara Peart & Lowry, 2006 (<i>Arcitalitrus</i>)	Talitridae
ovatocornutus Ren, 2006 (<i>Byblis</i>)	Ampeliscidae
pacifica Lowry & Springthorpe, 2005 (<i>Dulichella</i>)	Melitidae
pacifica Miyamoto & Morino, 2004 (<i>Platorchestia</i>)	Talitridae
parvidactyla Iannilli, Holsinger, Ruffo & Vonk, 2006 (<i>Omangidiella</i>)	

pearce Guerra-Garcia, 2006 (<i>Orthoprotella</i>)	Bogidiellidae
penelope Krapp-Schickel, 2006 (<i>Stenothoe</i>)	Caprellinae
pilosa Bellan-Santini, 2006 (<i>Rhachotropis</i>)	Stenothoidae
pistoris Krapp-Schickel & Myers, 2006 (<i>Gammaropsis</i>)	Eusiridae
pleoacuta Gonzalez, Bond-Buckup & Araujo, 2006 (<i>Hyaella</i>)	Photidae
polonius Hughes & Lowry, 2006 (<i>Liljeborgia</i>)	Hyaellidae
pleshanovi subsp. Taktheev & Levaskevich, 2006 (<i>Garjajewia cabanisii</i>)	Liljeborgiidae
polarsterni Berge & Vader, 2005 (<i>Bathypanoptea</i>)	Acanthogammaridae
rimatara Myers, 2005 (<i>Globosolembos</i>)	Stilipedidae
robusta Ren, 2006 (<i>Cyproidea</i>)	Aoridae
rodneyi Hughes & Lowry, 2006 (<i>Erichthonius</i>)	Cyproideidae
rodriguesi Valerio-Berardo & Flynn, 2005 (<i>Ampelisca</i>)	Ischyroceridae
saldanhae Bellan-Santini, 2005 (<i>Torometopa</i>)	Ampeliscidae
sandroruffoi Andres, 2004 (<i>Ingolfiella</i>)	Stenothoidae
santinae Krapp-Schickel & Ruffo, 2006 (<i>Quadrimeaera</i>)	Ingolfiellidae
sarina Lowry & Springthorpe, 2005 (<i>Quadrivisia</i>)	Melitidae
schiaparelli Lörz, Maas, Linse & Fenwick, 2007	Melitidae
schickelae Lowry & Springthorpe, 2005 (<i>Linguimaera</i>)	Epimeriidae
shihi Gasca, 2005 (<i>Hyperoche</i>)	Melitidae
shoalsi Appadoo & Myers, 2006 (<i>Ceradocus</i>)	Hyperiididae
sicus Krapp-Schickel & Myers, 2006 (<i>Bemlos</i>)	Melitidae
similis Ren, 2006 (<i>Byblis</i>)	Aoridae
sinensis Ren, 2006 (<i>Photis</i>)	Ampeliscidae
sinica Ren, 2006 (<i>Cheirocarpochela</i>)	Photidae
sinica Ren, 2006 (<i>Guernea</i>)	Cheirocratidae
solitaire Hughes & Lowry, 2006 (<i>Protohyale</i>)	Dexaminidae
sowpigensis Lowry & Springthorpe, 2005 (<i>Parelasomopus</i>)	Hyalidae
speleopolis Holsinger, Sawicki & Graening, 2006 (<i>Bactrurus</i>)	Melitidae
spinicaudatus Ren, 2006 (<i>Byblis</i>)	Crangonyctidae
spinipalpus Just, 2004 (<i>Siphonoecetes</i>)	Ampeliscidae
spinosa Ren, 2006 (<i>Ledoyerella</i>)	Ischyroceridae
subtropicalis Valerio-Berardo & Flynn, 2005 (<i>Ampelisca</i>)	Kamakidae
takahashiae Tomikawa & Mawatari, 2006 (<i>Amathillopsis</i>)	Ampeliscidae
thetis Lowry & Springthorpe, 2005 (<i>Miramaera</i>)	Amathillopsidae
thora Peart & Lowry, 2006 (<i>Arcitalitrus</i>)	Melitidae
toonuiitti Fenwick, 2006 (<i>Ringanui</i>)	Talitridae
tribinicuspidata Rauschert, 2006 (<i>Atyloella</i>)	Paraleptamphopidae
trifidilla Hughes & Lowry, 2006 (<i>Telsosynopia</i>)	Eusiridae
trispinosa Ren, 2006 (<i>Gammaropsis</i>)	Synopiidae
typhlotes Ren, 2006 (<i>Byblis</i>)	Photidae
typlota Ren, 2006 (<i>Ampelisca</i>)	Ampeliscidae
tzvetkovae Budnikova, 2005 (<i>Psammonyx</i>)	Ampeliscidae
unidentata Ren, 2006 (<i>Grandidierella</i>)	Tryphosinae
urdaibaiense Marquegui & Perez, 2006 (<i>Corophium</i>)	Aoridae
ustaoglui Özbek & Guloglu, 2005 (<i>Gammarus</i>)	Corophiidae
vailhoggett Guerra-Garcia, 2006 (<i>Jigurru</i>)	Gammaridae
vestigium Ren, 2006 (<i>Paranamixis</i>)	Phtisicinae
vinodolensis Fiser, Sket & Stoch, 2006 (<i>Niphargus</i>)	Anamixidae
	Niphargidae

volucola Lowry & Berents, 2005 (<i>Cerapus</i>)	Ischyroceridae
watkini d'Udekem d'Acoz, Echchaoui & Menioui, 2005 (<i>Bathyporeia</i>)	Pontoporeiidae
willemiana d'Udekem d'Acoz. 2006 (<i>Melphidippa</i>)	Melphidippidae
wolffi Zeidler, 2006 (<i>Paralanceola</i>)	Archaeoscinidae
yorki Coleman & Lowry, 2006 (<i>Meraldia</i>)	Ochlesidae
zhujiangensis Ren, 2006 (<i>Photis</i>)	Photidae

IV New taxa in AN 31 ranked taxonomically after families

Amathillopsidae	Cleonardopsinae, Parepimeriinae
	Amathillopsis takahashiae
Ampeliscidae	Ampelisca acutifortata, alatopedunculata, ceratophoculata, hainanensis, mississippiana, nanhaiensis, rodriguesi, subtropicalis, typlota
	Byblis angustifrons, bandasetus, breviarticulate, huanghaiensis, laterocostatus, limus, minuitus, ovatocornutus, similis, spinicaudatus, typhlotes
Ampithoidae	Pseudopleonexes burneyi, justi, nexis
Anamixidae	Anamixis dentatus
	Paranamixis vestigium
Anisogammaridae	Eogammarus itotomikoe
	Eurypodogammarus helobius
	Jesogammarus debilis
Aoridae	Aora karibu
	Bemlos callistemon, clypeatus, hainanensis, longisetis, sicus
	Globosolembos longispinosus, rimatara
	Grandidierella unidentata
	Xenocheira longisetosa
Archaeoscinidae	Archaeoscina danae
	Paralanceola oleseni, wolffi
Bogidiellidae	Omangidiella parvidactyla
	Stockigidiella aequimana
Calliopiidae	Apherusa delicata
Caprellinae	Deutella caribensis
	Orthoprotella pearce
	Pseudaeginella colombiensis, inae
	Tritella chibcha
Cheirocratidae	Cheirocarpochela sinica
Colomastigidae	Colomastix longicaudata, minispinosa
	Yulumara dentata
Corophiinae	Corophium urdaibaiense
	Leptocheirus alboranensis
Crangonyctidae	Bactrurus speleopolis
Cyproideidae	Cyproidea robusta
	Moolapheonoides acutifalcatus
Dexaminidae	Atylus donghaiensis
	Guernea sinica
	Paradexamine latifolia

Dogielinotidae	Parhaustorioides littoralis
Epimeriidae	Epimeria schiaparelli
Eusiridae	Atyloella tribinicuspidata
	Paramoera falklandica
	Rhachotropis flamina, licornia, pilosa
Gammaridae	Gammarus ustaoglui
Hyalellidae	Hyalella castroi, crawfordi, gauthieri, pleoacuta
Hyalidae	Protohyale solitaire
Hyperiididae	Hyperoche shihi
Ingolfiellidae	Ingolfiella georgei, inermis, sandroruffoi
Iphimediidae	Iphimedia beesleyae, filmersankeyi, kateae, lisae, neuweileri, oetkeri
Ischyroceridae	Bubocorophium macropalpus
	Cerapus bundegi, murrayae, volucola
	Concholestes nanshaensis
	Erichthonius forbesii, rodneyi
	Jassa kjetilanna
	Siphonoecetes (Orientoecetes) spinipalpus
Kamakidae	Kamaka littoralis
	Ledoyerella spinosa
Leucothoidae	Leucothoe articulosa rev., ashleyi, brunonis, denticulata rev., kensleyi
Liljeborgiidae	Liljeborgia polonius
	Listriella longimana
Melitidae	Austromaera
	Ceradocus circe, cotonensis, oliveri, shoalsi
	Dulichella pacifica
	Elasmopus arrawarra, elieri
	Hoho cornishi
	Linguimaera schickelae
	Mallacoota chandaniae, euroka, kameruka, magnimerus, morua
	Melita ophiocola
	Miramaera thetis
	Metaceradocus hainanensis
	Nuuanu beatricis
	Parelasopus sowpigiensis
	Quadrimaera franzi, santinae
	Quadrivisia sarina
	Victoriopisa marina
Melphidippidae	Melphidippa willemiana
Miramarassidae	
Niphargidae	Niphargus echion, vinodolensis
Ochlesidae	Meraldia birgeri, madeleinae, yorki
	Ochlesis caroleoninae, morgani
Paraleptamphopidae	Ringanui koonuiroa, toonuiiti
Photidae	Gammaropsis hainanensis, legoliath, longiseta, pistoris, trispinosus
	Megamphopus hainanensis
	Photis angustimanus, longisetis, sinensis, zhujiangensis

Phoxocephalidae	Pseudharpinia macrospinos
Phtisicinae	Jigurru vailhoggett
	Mayericaprella arimotoi
	Perotripus keablei
	Pseudoprellicana johnsoni
	Quadrisegmentum lowryi
Pleustidae	Tepidopleustes coffsiana
Pontoporeiidae	Bathyporeia borgi, watkini
Regaliidae	
Sanchoidae	
Stenothoidae	Sandrothoe distans
	Stenothoe divae, hansgeorgi, marvela, menezgweni, penelope
	Torometopa saldanhae
Stilipedidae	Bathypanoplea polarsterni
Synopiidae	Telsosynopia trifidilla
Talitridae	Arcitalitrus belbucca, bundeena, moonpar, nana, orara, thora
	Platorchestia pacifica
Thaumatotelsonidae rev.	Antatelson cuneatum
	Verticotelson mantis
Tryphosinae	Psammonyx kudrjaschovi, tzvetkovae
	Tryphosella lowryi